



PTO/SB/21 (05-03)

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TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>	Application Number	10/630,624
	Filing Date	July 29, 2003
	First Named Inventor	Gary L. Bowlin et al.
	Art Unit	1771
	Examiner Name	Not yet assigned
Total Number of Pages in This Submission	Attorney Docket Number	49122-0153 (288276)

ENCLOSURES (check all that apply)		
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PATENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)
)
Bowlin et al.)
) Art Unit: 1771
Serial No.: 10/630,624)
) Examiner: Not yet assigned
Filed: July 29, 2003)
)
For: **ELECTROPROCESSED COLLAGEN**)

INFORMATION DISCLOSURE STATEMENT


Commissioner for Patents
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Alexandria, VA 22313-1450

Sir:

The citation of information on the attached Form PTO/SB/08A, "Information Disclosure Statement by Applicant" is made pursuant to 37 C.F.R. §§ 1.97 and 1.98. A copy of each cited item is enclosed unless stated otherwise hereinbelow.

Pursuant to 37 C.F.R. § 1.98(d), inasmuch as this application relies on prior application Serial No 09/714,255 filed November 17, 2000, for an earlier filing date under 35 U.S.C. § 120, no copy of any patent, publication or other information previously cited by or submitted to the Office in such prior application is being provided herewith.

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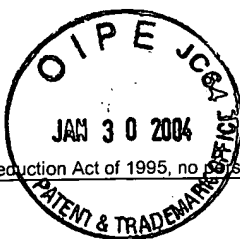
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Respectfully submitted,

A handwritten signature in black ink, appearing to read 'W. McGreevey', written in a cursive style.

By: William K. McGreevey
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Our Docket: 49122-0153 (49122-288276)



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Substitute for Form 1449/A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Complete if Known

Application Number	10/630,624
Filing Date	July 29, 2003
First Named Inventor	Bowlin et al.
Group Art Unit	1771
Examiner Name	Not Yet Assigned
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Sheet 1 of 8

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	Document Number	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
	1.	1,975,504	A. Formhals	10-02-1934	
	2.	3,892,648	Phillips et al.	07-01-1975	
	3.	4,043,331	Martin et al.	08-23-1977	
	4.	4,044,404	Martin et al.	08-30-1977	
	5.	4,294,677	Sakagami et al.	10-13-1981	
	6.	4,455,206	Funabashi et al.	06-19-1984	
	7.	4,552,707	How	11-12-1985	
	8.	4,657,793	Fisher	04-14-1987	
	9.	4,738,740	Pinchuk et al.	04-19-1988	
	10.	5,171,505	Lock	12-15-1992	
	11.	5,252,285	Lock	10-12-1993	
	12.	5,292,362	Bass et al.	03-08-1994	
	13.	5,378,469	Kemp et al.	01-03-1995	
	14.	5,460,962	Kemp	10-24-1995	
	15.	5,580,859	Felgner et al.	12-03-1996	
	16.	5,655,517	Coffee	08-12-1997	
	17.	5,693,085	Buirge et al.	12-02-1997	
	18.	5,723,324	Bowlin et al.	03-03-1998	
	19.	5,813,614	Coffee	09-29-1998	
	20.	5,902,741	Purchio et al.	05-11-1999	
	21.	5,906,934	Grande et al.	05-25-1999	
	22.	5,908,777	Lee et al.	06-01-1999	
	23.	5,912,177	Turner et al.	06-15-1999	
	24.	5,915,377	Coffee	06-29-1999	
	25.	5,948,654	Tranquillo et al.	09-07-1999	
	26.	6,057,137	Tranquillo et al.	05-02-2000	
	27.	6,068,199	Coffee	05-30-2000	
	28.	6,093,557	Pui et al.	07-25-2000	
	29.	6,096,309	Prior et al.	08-01-2000	
	30.	6,100,026	Nova et al.	08-08-2000	
	31.	6,103,255	Levene et al.	08-15-2000	
	32.	6,105,571	Coffee	08-22-2000	
	33.	6,105,877	Coffee	08-22-2000	
	34.	6,106,913	Scardino et al.	08-22-2000	
	35.	6,110,484	Sierra	08-29-2000	
	36.	6,110,590	Zarkoob et al.	08-29-2000	
	37.	6,121,042	Peterson et al.	09-19-2000	
	38.	6,146,892	Ma et al.	11-14-2000	

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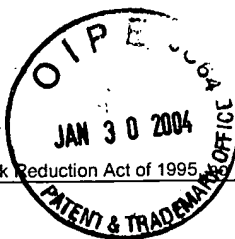
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		Number - Kind Code ² (if known)				
	39.	6,179,872		Bell et al.	01-30-2001	
	40.	6,180,605		Chen et al.	01-30-2001	
	41.	6,180,606		Chen et al.	01-30-2001	
	42.	6,197,575		Griffith et al.	03-06-2001	
	43.	6,245,345		Swanbom et al.	06-12-2001	
	44.	6,252,129		Coffee	06-26-2001	
	45.	6,254,627		Freidberg	07-03-2001	
	46.	6,265,333		Dzenis et al.	07-24-2001	
	47.	6,306,424		Vyakarnam et al.	10-23-2001	
	48.	6,308,509		Scardino et al.	10-30-2001	
	49.	6,318,640		Coffee	11-20-2001	
	50.	6,399,362		Pui et al.	06-04-2002	
	51.	US2001/0003148		Coffee	06-07-2001	

FOREIGN PATENT DOCUMENTS

Examin er Initials	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
	52.	EP	0005 035	A1	Imperial Chemical Industries Limited, et al.	10-31-1979		
	53.	EP	0266 035	A1	Ethicon, Inc., et al.	05-04-1988		
	54.	GB	1377022		Avicon, Inc.	12-11-1974		
	55.	GB	2142870		Ethicon, Inc. et al.	12-30-1985		
	56.	GB	2360789	A	Mason Christopher	10-03-2001		
	57.	RU	2031661	C 1	Nauchno-proizvodstvennoe predpriatie "Ehkomedservis," Institut Khirurgii im.A.V.Vishnevskogo RAMN	03-27-1995	See XP002046663	X
	58.	RU	2034534	C 1	Kirichenko et al.	05-10-1995		
	59.	WO	00/67694	A1	Electrosols, Ltd.	11-16-2000		
	60.	WO	01/26610	A1	The University of Akron	04-19-2001		
	61.	WO	01/27365	A1	The University of Akron	04-19-2001		

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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language translation is attached.



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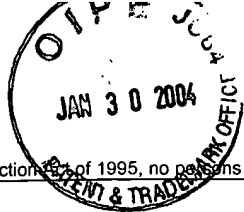
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FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office 3	Number ⁴	Kind Code ⁵ (if known)				
	62.	WO	01/51690	A1	Drexel University and The Trustees of the University of Pennsylvania	07-19-2001		
	63.	WO	01/74431	A2	Electrosols, Ltd.	10-11-2001		
	64.	WO	91/01695	A1	Ethicon, Inc. et al.	02-21-1991		
	65.	WO	97/13849	A1	The Univ. of Akron	04-17-1997		
	66.	WO	98/03267	A	Electrosols, Inc.	01-29-1998		
	67.	WO	98/56894	A1	Regents of the Univ. of Minn.	12-17-1998		

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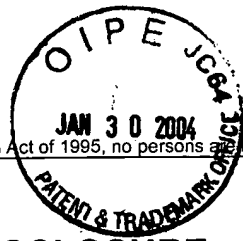
Sheet 4 of 8

OTHER INFORMATION - NON PATENT LITERATURE DOCUMENTS

Examine r Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
	68.	AGRAWAL, C.M. <i>et al.</i> , "Technique to Control pH in Vicinity of Biodegrading PLA-PGA Implants", J. Biomed. Mater. Res., 1997, pp. 105-114, Vol. 38.	
	69.	AKINS, R.E. <i>et al.</i> , "Neonatal Rat Heart Cells Cultured in Simulated Microgravity", In Vitro Cell. Dev. Biol. - Animal, 1997, pp. 337-343, Vol. 33.	
	70.	AMSDEN <i>et al.</i> "An examination of factors affecting the size, distribution and release characteristics of polymer microbeads made using electrostatics, Journal of Controlled Release, 1997, pp. 183-196, vol. 43.	
	71.	BAKER, T.L. <i>et al.</i> , "Three-Dimensional Culture of Bovine Chondrocytes in Rotating-Wall Vessels", In Vitro Cell. Dev. Biol. - Animal, 1997, pp. 358-365, Vol. 33.	
	72.	BAROFFIO, A. <i>et al.</i> , "Identification of self-renewing myoblasts in the progeny of single human muscle satellite cells", Differentiation, 1996, pp. 47-57, Vol. 60.	
	73.	BECK, L., Jr. <i>et al.</i> , "Vascular development: cellular and molecular regulation", J. FASEB, 1997, pp. 365-373, Vol. 11.	
	74.	BLAU, H.M. <i>et al.</i> , "Isolation and characterization of human muscle cells", Proc. Natl. Acad. Sci. USA, 1981, pp. 5623-5627, Vol. 78.	
	75.	BRONZINO, Joseph D. The Biomedical Engineering Handbook, 1995, pp. 637-644.	
	76.	BROSSOLLET, L.J., "Mechanical issues in vascular grafting: a review", Int. Journ. of Artif. Organs, 1992, pp. 579-584, Vol. 15.	
	77.	BUCHKO, C.J. <i>et al.</i> , "Processing and Microstructural Characterization of Porous Biocompatible Protein Polymer Thin Films", Polymer, 1999, pp. 7397-7407, Vol. 40.	
	78.	BUSH, R.L. <i>et al.</i> , "Regulation of new blood vessel growth into ischemic skeletal muscle", Journ. of Vascular Surgery, 1998, pp. 919-928, Vol. 28.	
	79.	CAVALLARO, J.F. <i>et al.</i> , "Collagen Fabrics as Biomaterials", Biotechnology and Bioengineering, 1994, pp. 781-791, Vol. 43.	
	80.	CHEN, DA-REN <i>et al.</i> , "Electrospraying of Conducting Liquids for Monodisperse Aerosol Generation in the 4nm to 1.8µm Diameter Range", J. Aerosol Science, 1995, pp. 963-977, vol. 26.	
	81.	CHEN, DA-REN <i>et al.</i> , "Experimental Investigation of Scaling Laws for Electrospraying: Dielectric Constant Effect", Aerosol Science and Technology, 1997, pp. 367-380, Vol. 27.	
	82.	COHN, DANIEL <i>et al.</i> , "Introducing a selectively biodegradable filament would arterial prosthesis: A short-term implantation study", Journ. of Biomed. Materials Res., 1992, pp. 1185-1205, Vol. 26. (pp. 1205 not applicable to article)	
	83.	CONNOLD, A.L. <i>et al.</i> , "Survival of embryonic cardiac myocytes transplanted into host rat soleus muscle", Journ. of Muscle Res. and Cell Motility, 1995, pp. 481-489, Vol. 16.	
	84.	DEITZEL, J.M. <i>et al.</i> , "Generation of Polymer Nanofibers Through Electrospinning", Army Research Laboratory, 1999, pp. 1-33, ARL-TR-1989.	
	85.	DEITZEL, J.M. <i>et al.</i> , "Generation of Polymer Nanofibers Through Electrospinning", Army Research Laboratory, 1999, pp. 1-33, ARL-TR-1989.	
	86.	DOSHI, J. <i>et al.</i> , "Electrospinning Process and Applications of Electrospun Fibers", J. Electrostatics, 1995, pp. 151-160, Vol. 35.	

Examiner Signature	Date Considered
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¹Unique citation designation number. ²Applicant is to place a check mark here if English language translation is attached.



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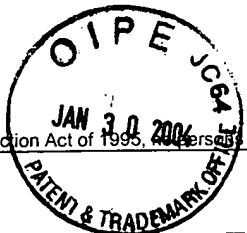
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Attorney Docket Number	49122-0153 (49122-288276)

Sheet 5 of 8

87.	DRASLER, W. J. <i>et al.</i> , "A Spun Elastomeric Graft for Dialysis Access", ASAIO Journal, 1993, pp. 114-119, Vol. 39.
88.	FERBER, D., "Lab-Grown Organs Begin to Take Shape", Science, 1999, pp. 422-424, Vol. 284.
89.	FREED, L.E. <i>et al.</i> , "Microgravity Tissue Engineering", In Viro Cell. Dev. Biol. - Animal, 1997, pp. 381-385, Vol. 33.
90.	GERSHON, B. <i>et al.</i> , "Utilization of composite laminate theory in the design of synthetic soft tissues for biomedical prostheses", Casali Inst. of Applied Chemistry, Grad. School of Applied Science and Tech., The Hebrew Univ. of Jerusalem, 1990. (Need Journal Name and page numbers)
91.	GIBSON, P.W. <i>et al.</i> , "Electrospun Fiber Mats: Transport Properties", U.S. Army Natick Research, Development and Engineering Center, AICHE Journal, 1999, pp. 190, vol. 45.
92.	GOJO, S. <i>et al.</i> , "Transplantation of Genetically Marked Cardiac Muscle Cells", J. Thorac. Cardiovasc. Surg., 1997, pp. 10-18, Vol. 113.
93.	GOSPODAROWICZ, D., <i>et al.</i> , "The Extracellular Matrix and the Control of Proliferation of Vascular Endothelial and Vascular Smooth Muscle Cells," J. Supramolecular Structure, 1980, pp. 339-372, vol. 13. (missing pp 359-372)
94.	HARRIS, A.K., <i>et al.</i> , "Fibroblast traction as a mechanism for collagen morphogenesis", Nature, 1981, pp. 249-251, Vol. 290.
95.	HASEGAWA, M. <i>et al.</i> , "Mechanical Properties of Synthetic Arterial Grafts", J. Biomechanics, 1979, pp. 509-517, Vol. 12
96.	HIRAI, J. <i>et al.</i> , "Highly Oriented, Tubular Hybrid Vascular Tissue for a Low Pressure Circulatory System", ASAIO Journal, 1994, pp. M383-M388, Vol. 40.
97.	HOPKINS, S.P. <i>et al.</i> , "Controlled delivery of vascular endothelial growth factor promotes neovascularization and maintains limb function in a rabbit model of ischemia", J. Vascular Surgery, 1998, pp. 886-895, Vol. 27, no. 5.
98.	HOW, T.V. <i>et al.</i> , "Engineering design of vascular prostheses", Proc Instn Mech Engrs, 1992, pp. 61-71, Vol. 206.
99.	HUANG, D. <i>et al.</i> , "Mechanisms and Dynamics of Mechanical Strengthening in Ligament-Equivalent Fibroblast-Populated Collagen Matrices", Annals of Biomedical Engineering, 1993, pp. 289-305, Vol. 21.
100.	HUANG, L. <i>et al.</i> , "Generation of Synthetic Elastin-Mimetic Small Diameter Fibers and Fiber Networks", Macromolecules, 2000, pp. 2989-2997, Vol. 33.
101.	KANDA, K., <i>et al.</i> , "Mechanical Stress-Induced Orientation and Ultrastructural Change of Smooth Muscle Cells Cultured in Three-Dimensional Collagen Lattices", Cell Transplantation, 1994, pp. 481-492, Vol. 3.
102.	KATO, Y.P. <i>et al.</i> , "Formation of continuous collagen fibres: evaluation of biocompatibility and mechanical properties", Biomaterials, 1990, pp. 169-175, Vol. 11.
103.	KATO, Y.P. <i>et al.</i> , "Mechanical properties of collagen fibres: a comparison of reconstituted and rat tail tendon fibres" Biomaterials, 1989, pp. 38-42, Vol. 10.

Examiner Signature		Date Considered	
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¹Unique citation designation number. ²Applicant is to place a check mark here if English language translation is attached.

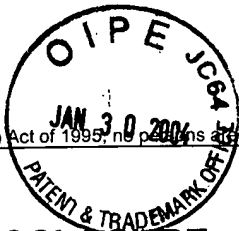


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104.	KIM, B-S <i>et al.</i> , "Engineering smooth muscle tissue with a predefined structure", J. Biomed. Mater. Res., 1998, pp. 322-332, Vol. 41.
105.	KIM, B-S <i>et al.</i> , "Optimizing Seeding and Culture Methods to Engineer Smooth Muscle Tissue on Biodegradable Polymer Matrices", Biotechnology Bioengineering, 1998, pp. 46-54, Vol. 57.
106.	KIRICHENKO <i>et al.</i> , Abstract of RU 2034534, Derwent World Patents Inc., Dialog File No. 351 Accession No. 1052-1633
107.	KOH, G.Y. <i>et al.</i> , "Long-term survival of AT-1 cardiomyocyte grafts in syngeneic myocardium", Am. Journ. Physiol., 1993, pp. H1727-H1733, Vol. 264.
108.	LI, R-K <i>et al.</i> , "In Vivo Survival and Function of Transplanted Rat Cardiomyocytes", Circulation Res., 1996, pp. 283-288, Vol. 78, No. 2.
109.	MOLNAR, G. <i>et al.</i> , "Skeletal Muscle Satellite Cells Cultured in Simulated Microgravity", In Vitro Cell. Dev. Biol. - Animal, 1997, pp. 386-391, Vol. 33.
110.	MOROZOV, V.N. <i>et al.</i> , "Atomic force microscopy of structures produced by electrospraying polymer solutions", International Journal of Mass Spectrometry, 1998, pp. 143-159, Vol. 178.
111.	MOROZOV, V.N. <i>et al.</i> , "Electrospray Deposition as a Method to Fabricate Functionally Active Protein Films", Analytical Chem., April 1, 1999, pp. 1415-1420, Vol. 71, No. 7.
112.	MURRY, C.E. <i>et al.</i> , "Skeletal Myoblast Transplantation for Repair of Myocardial Necrosis", J. Clin. Invest., 1996, pp. 2512-2523, Vol. 98, no. 11.
113.	NIKLASON, L.E. <i>et al.</i> , "Functional Arteries Grown in Vitro", Science, 1999, pp. 489-493, Vol. 284.
114.	OKANO <i>et al.</i> , "Hybrid Muscular Tissues: Preparation of Skeletal Muscle Cell-Incorporated Collagen Gels," Cell Transplantation, 1997, pp. 109-118, Vol. 6, No. 2.
115.	OKANO, T. <i>et al.</i> , "Tissue Engineered Skeletal Muscle: Preparation of Highly Dense, Highly Oriented Hybrid Muscular Tissue", Cell Transplantation, 1998, pp. 71-82, Vol. 7, No. 1.
116.	OKANO, T. <i>et al.</i> , "Tissue Engineering of Skeletal Muscle, Highly Dense, Highly Oriented Hybrid Muscular Tissues Biomimicking Native Tissues", ASAIO Journal, 1997, pp. M749-M753, Vol. 43.
117.	PEPPER, M.S., "Manipulating Angiogenesis", Arteriosclerosis, Thrombosis, and Vascular Biol., 1997, pp. 605-619, Vol. 17.
118.	PINS, G.D. <i>et al.</i> , "Effects of Static Axial Strain on the Tensile Properties and Failure Mechanisms of Self-Assembled Collagen Fibers", J. Appl. Polym Sci., 1997, pp. 1429-1440, Vol. 63.
119.	PINS, G.D. <i>et al.</i> , "Self-Assembly of Collagen Fibers Influence of Fibrillar Alignment and Decorin on Mechanical Properties", Biophysical Journal, 1997, pp. 2164-2172, Vol. 73.
120.	PISTNER, H. <i>et al.</i> , "Poly(L-lactide): a long-term degradation study <i>in vivo</i> , Part III Analytical characterization", Biomaterials, 1993, pp. 293-298, Vol. 14.
121.	RENEKER, D.H. <i>et al.</i> , "Nanometer diameter fibres of polymer, produced by electrospinning", Nanotechnology, 1996, pp. 216-223, Vol. 7.
122.	ROHR, S. <i>et al.</i> , "Patterned Growth of Neonatal Rat Heart Cells in Culture", Circulation Res., 1991, pp. 114-130, Vol. 68.
123.	RHODIN, J.A.G. <i>et al.</i> , Chapter I, "Architecture of the vessel wall," in "The Cardiovascular System", Handbook of Physiology, American Physiological Society, 1980, pp.1-31, Vol., II, Sec. 2.

Examiner Signature	Date Considered
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¹Unique citation designation number. ²Applicant is to place a check mark here if English language translation is attached.



Substitute for Form 1449/A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known	
		Application Number	10/630,624
		Filing Date	July 29, 2003
		First Named Inventor	Bowlin et al.
		Group Art Unit	1771
		Examiner Name	Not Yet Assigned
Sheet 7	of 8	Attorney Docket Number	49122-0153 (49122-288276)

124.	SABELMAN, E.E., et al., "Composite Cell/Tissue Replacement for Nerve and Pressure Sore Repair," http://guide.Stanford.edu/Publications/clinB.html , June 15, 2000, pp. 1-2.
125.	SAMUEL, J.L. et al., "Mechanically Induced Orientation of Adult Rat Cardiac Myocytes In Vitro", In Vitro Cell. Dev. Biol., 1990, pp. 905-914, Vol. 26.
126.	SCHREUDER-GIBSON, H., "Electrospinning Polymer Fibers", www-sscom.army.mil/warrior/97/apr/yarn.htm , U.S. Army Natick Research, Development & Engineering Center, 1997.
127.	SELIKAR, D. et al., "Dynamic Mechanical Conditioning of Collagen-Gel Blood Vessel Constructs Induces Remodeling In Vitro", Annals of Biomedical Engineering, 2000, pp. 351-362, Vol. 28.
128.	SHANSKY, J. et al., "A Simplified Method for Tissue Engineering Skeletal Muscle Organoids In Vitro", In Vitro Cell. Dev. Biol.—Animal, 1997, pp. 659-661, Vol. 33.
129.	SILVER, F.H. et al., "Type I Collagen in Solution", The Journal of Biological Chemistry, 1980, pp. 9427-9433, Vol. 255.
130.	SIMPSON, D.G. et al., "Modulation of Cardiac Myocyte Phenotype In Vitro by the Composition and Orientation of the Extracellular Matrix", J. Cellular Physiol., 1994, pp. 89-105, Vol. 161.
131.	SOONPAA, M.H. et al., "Formation of Nascent Intercalated Disks Between Grafted Fetal Cardiomyocytes and Host Myocardium", Science, 1994, pp. 98-101, Vol. 264.
132.	SPARROW, J.T. et al., Biochemistry 31, 1065 (1992)
133.	STITZEL et al., "Electrospraying and Electrospinning of Polymers for Biomedical Applications. Poly (lactic-co-glycolic acid) and Poly (ethylene-co-vinylacetate)." Proc. 32nd Society for the Advancement of Material and Process Engineering (SAMPE) Meeting, Boston, MA, Presented November 7, 2000.
134.	STITZEL, J., "Mechanical Design and Development of a Biomimicking, Biodegradable Vascular Graft, Thesis Submitted at Virginia Commonwealth University, Richmond, VA, August 2000, Indexed February 9, 2001.
135.	STITZER, et al., J. Biomaterials Applications, Inc. Press (2000).
136.	THUMB, W. et al., Spectrochimica Acta 55A, 2729 (1999)
137.	TIOILLIER, J. et al., "Fibroblast Behavior on Gels of Type I, III, and IV Human Placental Collagens", Exp. Cell Res., 1990, pp. 95-104, Vol. 191.
138.	VAN WACHEM, P.B. et al., "Myoblast seeding in a collagen matrix evaluated in vitro", J. Biomed. Materials Res., 1996, pp. 353-360, Vol. 30.
139.	VANDENBURGH, H. et al., "Attenuation of Skeletal Muscle Wasting with Recombinant Human Growth Hormone Secreted from a Tissue-Engineered Bioartificial Muscle", Human Gene Therapy, 1998, pp. 2555-2564, Vol. 9.
140.	VANDENBURGH, H. et al., "In vitro Model for Stretch-Induced Hypertrophy of Skeletal Muscle", Science, 1979, pp. 265-268, Vol. 203.
141.	VANDENBURGH, H., "Cell Shape and Growth Regulation in Skeletal Muscle: Exogenous Versus Endogenous Factors", Journ. of Cellular Physiology, 1983, pp. 363-371, Vol. 116.
142.	VANDENBURGH, H., "Dynamic Mechanical Orientation of Skeletal Myofibers in Vitro", Departmental Biology, 1982, pp. 438-443, Vol. 93.

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--------------------	-----------------

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Sheet	8	of	8	Attorney Docket Number	49122-0153 (49122-288276)

143.	VANDENBURGH, H.H. <i>et al.</i> , "Mechanically Induced Alterations in Cultured Skeletal Muscle Growth", J. Biomechanics, 1991, pp. 91-99, Vol. 24.	
144.	VANDENBURGH, H.H. <i>et al.</i> , "Skeletal muscle growth is stimulated by intermittent stretch-relaxation in tissue culture", American Journal of Physiology, 1989, pp. C674-C682, Vol. 256.	
145.	VANDENBURGH, H.H., "Mechanical forces and their second messengers in stimulating cell growth in vitro", Am. J. Phys., 1992, pp. R350-R355, Vol. 262.	
146.	VANDENBURGH, H.H., "Mechanical stimulation of organogenic cardiomyocyte growth in vitro", Am. J. Physiol., 1996, pp. C1284-C1292, Vol. 270.	
147.	WARNER, S.B., et al., "A Fundamental Investigation of the Formation and Properties of Electrospun Fibers," National Textile Center Annual Report, November 1999, pp. 1-10.	
148.	WATANABE, E. <i>et al.</i> , "Cardiomyocyte Transplantation in a Porcine Myocardial Infarction Model", Cell Transplantation, 1998, pp. 239-246, Vol. 7, no. 3.	
149.	WEISS, S.W. <i>et al.</i> , "Revascularization of Skeletal Muscle Transplanted into the Hamster Cheek Pouch: Electron Microscopy", Microvascular Research, 1983, pp. 65-73, Vol. 26.	
150.	WONG, W. H. <i>et al.</i> , "Synthesis and Properties of Biodegradable Polymers Used as Synthetic Matrices for Tissue Engineering", Synthetic Biodegradable Polymer Scaffolds, 1997, pp. 51-82, Chp. 4.	
151.	YEAGER, A. <i>et al.</i> , "New Graft Materials and Current Approaches to an Acceptable Small Diameter Vascular Graft", ASAIO Transactions, 1988, pp. 88-94, Vol. 34.	

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